

20020711.qrp v02_n613.qrl.20020711

Date: Thu, 11 Jul 2002 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2613

QRP-L Digest 2613

Topics covered in this issue include:

- 1) [129525] FOX: Truffle de WR50
by "Dave WR50" <dendav@dzdn.com>
- 2) [129526] Does anyone know release date for new DSW?
by "Ronald Davis" <RDavis24@carolina.rr.com>
- 3) [129527] Re: What is good about the DSW series transceivers ?
by "John Dorson" <jdorson@worldshare.net>
- 4) [129528] [OT] new Ten-Tec ORION - first inside pictures
by Ken Hopper - NSIT <khopper@uchicago.edu>
- 5) [129529] Philips Scope a great find
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [129530] Your measurements with 259 Antenna analyzer
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [129531] Another observation on 259 use
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 8) [129532] Checking traps and adjusting the 5BTV
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [129533] Re: Another observation on 259 use
by Fred Lesnick <flesnick@tbaytel.net>
- 10) [129534] Your trap
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 11) [129535] Re: Son' o DSW
by "Dave Benson" <nn1g@earthlink.net>
- 12) [129536] What scopes do
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 13) [129537] NEQRP CW Net, 11 July 02, 8:30 PM EDT, 3.565 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 14) [129538] With respect to "What scopes do" (FS)
by "AI2Q Alex" <ai2q@adelphia.net>
- 15) [129539] THANKS: Hustler 5BTV setup dimensions?
by Chris Cartwright <ccart@phideaux.com>
- 16) [129540] Re: What is good about the DSW series transceivers ?
by Mike <mmorrow@companet.net>
- 17) [129541] South Dakota Operation
by "Kelly Ellison" <kelman@sofnet.com>
- 18) [129542] Re: "Dipping" traps
by "James R. Duffey" <jamesd1@flash.net>
- 19) [129543] FS: Three(3) BRAND NEW 1-1/2" Vernier Drive Dials w/pics!

- by RLucch2098@aol.com
- 20) [129544] Re: [OT] new Ten-Tec ORION - first inside pictures
by "K7FD N7SG" <k7fd@hotmail.com>
 - 21) [129545] Where find CEPT agreement?
by "wilford lindsey" <dock0evz@earthlink.net>
 - 22) [129546] Rock Mite Rocks!
by "ss lyon" <sslyon@megalink.net>
 - 23) [129547] Re: Where find CEPT agreement?
by "Dennis Ponsness" <wb0wao@hotmail.com>
 - 24) [129548] Re: What is good about the DSW series transceivers ?
by "Trevor Jacobs" <kg6cyn@earthlink.net>
 - 25) [129549] Re: [Where find CEPT agreement?]
by "P.Ermisch" <ermisch@usa.net>
 - 26) [129550] CEPT - found, tks everyone
by "wilford lindsey" <dock0evz@earthlink.net>
 - 27) [129551] Re: Help - Cutting PCB Material
by George Gingell <k3tks@u1.abs.net>
 - 28) [129552] Re: Where find CEPT agreement?
by Bob Nielsen <nielsen@oz.net>
 - 29) [129553] Wanted: trade my 218 for a 217 filter
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
 - 30) [129554] Re: Virtual Morse key update
by "Leon Heller" <leon_heller@hotmail.com>
 - 31) [129555] Feed line switching
by "Leech Mike (AP/EAT1)" <Mike.Leech@us.bosch.com>
 - 32) [129556] Help - Cutting PCBoard material
by Tim ORourke <TORourke@kaiserft.com>
 - 33) [129557] RE: [OT] Ten-Tec ORION - Tuning Knob(bies)
by Karl Kanalz <kkanalz@gcecispc.com>
 - 34) [129558] Re: Rock Mite Rocks!
by Patrick Gardella <pgardella@yahoo.com>
 - 35) [129559] RE: MFJ-9420
by Tim ORourke <TORourke@kaiserft.com>
 - 36) [129560] son of DSW sounds good!
by "Tony Parks" <robert.parks11@gte.net>
 - 37) [129561] Repair MFJ9020 + WTB filter and keyer
by Harry Hurst <wa3ptg@comcast.net>
 - 38) [129562] Re: Feed line switching
by "George, W5YR" <w5yr@att.net>
 - 39) [129563] Morse encoding techniques
by "Leon Heller" <leon_heller@hotmail.com>
 - 40) [129564] QRP ARCI - QQ is here!
by "Brian" <brian@iquest.net>
 - 41) [129565] Antique gear prices
by Alex <kr1st@amsat.org>
 - 42) [129566] OT: Anyone else getting SPAM from Saf-E
by "Mike Yetsko" <myetsko@insydesw.com>
 - 43) [129567] Re: [Feed line switching]

by "P.Ermisch" <ermisch@usa.net>
44) [129568] Alinco 2/70 cm xcvr FS
by "johngabbard" <johngabbard@usintouch.com>
45) [129569] Re: [Feed line switching]
by "Mike Yetsko" <myetsko@insydesw.com>
46) [129570] FS Kenwood TH-6A
by "Rod N0RC" <rod@n0rc.us>
47) [129571] Vertical Confusion
by Kenneth Hoglund <hoglund@wfu.edu>
48) [129572] Re: Anyone else getting SPAM from Saf-E
by "Stew" <ke4yh@gte.net>
49) [129573] Re: Rock Mite available?
by "ss lyon" <sslyon@megalink.net>
50) [129574] RE: Antique gear prices
by "AI2Q Alex" <ai2q@adelphia.net>
51) [129575] Re: Vertical Confusion
by "George, W5YR" <w5yr@att.net>
52) [129576] Re: Antique gear prices
by "Garey Barrell" <k4oah@mindspring.com>
53) [129577] Re: Rock Mite available?
by "Bill Jones" <kd7s@psnw.com>
54) [129578] Re: Vertical Confusion
by "Karl F. Larsen" <k5di@zianet.com>
55) [129579] Fox Hunt?
by "Karl F. Larsen" <k5di@zianet.com>
56) [129580] Re: Rock Mite available?
by "Dave Benson" <nn1g@earthlink.net>
57) [129581] Re: [Elmer 101] Part 5 - Done - Check this out
by "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
58) [129582] Fox Data
by "Karl F. Larsen" <k5di@zianet.com>
59) [129583] Re: [Feed line switching]
by Jim Pruitt <PruittJ@cwu.edu>
60) [129584] Re: Feed line switching
by Bill ROWLETT <kc4atu@yahoo.com>
61) [129585] Re: Rock Mite available?
by Steven Weber <kd1jv@moose.ncia.net>
62) [129586] RE:20 mtr SSB rig
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
63) [129587] Re: Rock Mite available?
by Mighty Mik <mightymik2@attbi.com>
64) [129588] Re: [fpqrp] QRP ARCI - QQ is here!
by k8cz@att.net
65) [129589] Re: [Elmer 101] Part 5 - Done - Check this out
by brian@iquest.net
66) [129590] MFJ cw filter
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
67) [129591] Re: Rock Mite available?

by David Hinerman <WD8CIV@worldnet.att.net>
68) [129592] FS: 40 Meter OHR 100A and OHR DD-1
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
69) [129593] Yea Jo ah is alive... folks been argueing about the well part...
by hamjoel@juno.com
70) [129594] Re: 20 mtr SSB rig
by Kenneth Hoglund <hoglund@wfu.edu>
71) [129595] Rock-mite tin
by <jmbrown@edge.net>
72) [129596] Multi-band vertical fed with ladderline: radials
by "Nico Vertriest" <Nico.Vertriest@pandora.be>
73) [129597] G-10 or equive double sided board?
by "Tracy Markham" <tracy@bytemark.com>
74) [129598] PC Board Source
by Chuck Adams <k7qo@earthlink.net>

Date: Wed, 10 Jul 2002 16:56:00 -0600
From: "Dave WR50" <dendav@dzn.com>
To: "Flying Pigs" <fpqrp-1@mpna.com>, "QRPL" <qrp-1@lehigh.edu>
Subject: [129525] FOX: Truffle de WR50
Message-ID: <000d01c22864\$f8b5cd60\$3b6357d1@dwinfield>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've missed the last two Truffles because of T-storms, and the first half hour or so of the main hunt for the past two weeks. Here's hoping it holds off until 0401Z to start up :-).

I have the distinct honor of being the band warm up act prior to the main event tomorrow with KV2X and N1FN at 21:30 ET/20:30 CT/19:30 MT/18:30 PT local (or whatever 0130Z Friday is in YOUR timezone).

WARNING: These guys are GOOD...you might want to warm up first :-D.

Primary will be 14.061 listening UP as far as 1 kHz.
Secondary will be around 14.052 listening UP as far as 1 kHz.

As always...you'll get:

urcall TU 559 TX DAVE 5W urcall...speed will be around 18, but I'll be happy to slow down if indicated.

Good luck and hope to hear you tomorrow!

72/73 es oo,

Dave Winfield, WR50
El Paso, Texas DM61ts

FP# -109, SOC #371, ARS #996,
Zombie #793, QRPp #328, ARRL

Ginsberg's Restatement of the Three Laws of Thermodynamics:
You can't win, you can't break even, and you can't quit.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.374 / Virus Database: 209 - Release Date: 7/9/02

Date: Wed, 10 Jul 2002 19:05:50 -0400
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129526] Does anyone know release date for new DSW?
Message-ID: <010601c22866\$557e9710\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

I was going to buy another SW-40+ but with all the talk of the new rig coming out Im wondering if I should wait on it? Does anyone have any idea of a release date for the new rig.

Thanks
Ronnie
KE4VPN

Date: Wed, 10 Jul 2002 19:11:58 -0400
From: "John Dorson" <jdorson@worldshare.net>
To: <n5ib@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129527] Re: What is good about the DSW series transceivers ?
Message-ID: <000901c22867\$351c8800\$f212eb41@atwork>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a great story.

Thanks.

John K2JHU..

----- Original Message -----

From: <n5ib@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, July 10, 2002 5:32 PM

Subject: Re: What is good about the DSW series transceivers ?

> Gotta throw in my \$0.02

>

> I have a DSW 20 and a DSW 40 (see <<http://www.qsl.net/n5ib>> for pics) and
> love 'em both.

>

> One story I have to recount. I was chasing the Fox on 40 m one winter
> evening in 2000, and when I finally heard the Fox sending my call I got
> got so excited I jumped up and reached for the log sheets. Unfortunately
> I was wearing a headset with a too short cord. The headset cord yanked
> the DSW-40 off the operating desk and it fell to the floor, making at
> least one bounce and pulling the coax clean out of the BNC plug, leaving
> just the bare plug still attached to the rig. Luckily the power cable and
> key cable were long enough to reach the floor, so the rig stayed powered
> up. I hastily jammed the coax back in the body of the plug (the center
> pin was still intact) and plugged the headset back in and.... THE RIG WAS
> STILL TUNED TO THE FOX ... and I nabbed the pelt, though he did have to
> call me twice :^))

>

> The DSW-40 made it's first contacts at Field Day in 1999 for the natural
> power bonus for the club, and the DSW-20 made it's first contacts (France
> and Slovak Republic) from aboard the USS Kidd during Museum Ships in the
> Air in July of 1999.

>

> When Dave gets ready to ship Son of DSW, I'll be in line to order one -
> or two or three.

>

> I *might* even consider selling my "Originals, " but not until the
> postman brings me a new one :^))

>

> 72

> Jim N5IB

>

>

>
>
> -----
> GET INTERNET ACCESS FROM JUNO!
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> <http://dl.www.juno.com/get/web/>.

Date: Wed, 10 Jul 2002 18:16:57 -0500
From: Ken Hopper - NSIT <khopper@uchicago.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [129528] [OT] new Ten-Tec ORION - first inside pictures
Message-ID: <3D2CC069.4050109@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Did you see the first chassis pictures smuggled out of Ten-Tec by a nefarious QRP-Ler said to hail from FORT SMITH AR. Who is that mystery man?

Pse check out:

<http://www.n9vv.com/orion-resources.html>

dit dit
de ken n9vv

Date: Wed, 10 Jul 2002 18:34:15 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <preacher102677@juno.com>, <qrp-l@lehigh.edu>
Subject: [129529] Philips Scope a great find
Message-ID: <002e01c2286a\$4d898de0\$4e100a0a@rohredt2000>

Brandon,
That is a good scope. We have seven Philips scopes of that vintage at the Research Lab. They used to have a set of booklets on how to use scopes, how they worked, etc. Might still be available from Fluke-Philips Instrumentation, which was the US importer of Philips products, or check Philips Holland web site. Tektronix also had scope application notes which are general for this type of analog scope.

You have there Vertical Channel inputs, and Horizontal sweep inputs and trigger inputs.

Scope probes can be bought at \$9 to \$20, the X1 and X10 or combination are the most useful, and need one for each vertical channel, and one sometimes is useful when syncing externally to the sweep circuits of time base. Makers of probes like this price range include Probemaster, and there are other import ones, (TPI?) Look in catalogs like Mouser, and other mail order houses. Those that sell parts and surplus parts have them at low prices, see Nuts and Volts magazine.

Run the brightness as low as you can unless using the scope, this prolongs the life of the phosphors in the tube. Be sure to adjust the trace to the internal calibrator, the little test point on front. Clip the X1 probe on there, and adjust the probe capacitor for sharpest square wave of correct amplitude. That is marked on the test point and usually is a 1 kHz square wave. That allows you also to use the vertical and horizontal centering controls to get the traces where you want them on the screen, and to align them with a base line grid. Then you make that your ground reference. Place input of Vert. A for example to gnd symbol on input coupling switch. Align trace to a line of reference. If trace is rotated out of horizontal, use the rotation control to fix that. Then, with vertical input coupling to DC, and 1 volt per division, if you connect a fresh 1.5 volt battery up, the trace should move up one and a half divisions. You have just learned how to measure DC volts. (Make sure if you have combo probe it was on X1, or else the X10 attenuation will move the battery DC trace up only 1/10 division.) For blocking DC, while you are looking at an RF or AC signal, set vertical channel input coupling to AC. To get a single cycle of AC signal, you rotate the time base, (time per div.) knob to get one or more cycles. To stop the trace, you set trigger to auto, or if you were looking at AC power to line triggering. (triggers off 60 Hz AC). That is the short course. GL and 73,
Stuart K5KVH

Date: Wed, 10 Jul 2002 18:47:13 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Jim Campbell" <jim-c@nc.rr.com>, <qrp-1@lehigh.edu>
Subject: [129530] Your measurements with 259 Antenna analyzer
Message-ID: <003601c2286c\$1d5390b0\$4e100a0a@rohredt2000>

Jim, I do not see much of a problem with your results, but you do not differentiate if both the choke balun and the other balun had those same results.

The choke balun is blocking currents coming back down over the OUTSIDE of the shield, and thus the MFJ is not going to be measuring that , but what it

sees inside the coax. IF one end of the cable is not terminated in 50 ohms, then you will see effects from the L and C of the cable, and a certain length could well be resonant, and this would vary with the length of cable, and stray connector impedances.

The other balun must be terminated in a low L and C resistor to make meaningful measurements. Carbon film resistors are the best to use and are adequate at the mw level of the MFJ signal. If the leads of the resistor are long however, the readings could have reactance, which is apparent in some of your measurements.

Dummy loads are not perfect and you have seen a typical value of dummy load in that measurement. Again, the number of adapters, length of coax jumper, etc. affect this. IF you measure a dummy load that has not been abused, you might get closer to 52 ohms, or even 50, but you would have to use minimum number of coax adapters, like a double male to not have stray reactance.

Finally, look at the specs of the MFJ you have. I have compared the 259 to the Autek RF 1 and gotten perfect agreement. However, that was with carefully selected low reactance resistors, and known reactive loads.

You cannot assume the dummy load is reading perfectly, due to wear and tear and heating up of the elements. Try to borrow a fairly new dummy load, or make up several 50 ohm loads to double check before sending and paying for a needless trip to repair center.

Also, make sure you do your measurements in battery mode with FRESH batteries, those MFJ and some others, eat batteries, by drawing lots of current. There is a LOT going on in that circuit, and fresh batteries are a must. The AC adapter is OK, but can give false readings if RF is impinging on the AC cord. I always try to use battery powered test equipment to avoid ground loops and stray coupling issues.

GL and 73,
Stuart K5KVH

Date: Wed, 10 Jul 2002 18:51:03 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Jim Campbell" <jim-c@nc.rr.com>, <qrp-1@lehigh.edu>
Subject: [129531] Another observation on 259 use
Message-ID: <003e01c2286c\$a647af50\$4e100a0a@rohredt2000>

Jim, a couple of other notes: You said you built the baluns using sections of RG 59?? That is 75 ohm cable. The MFJ is most accurate using 50 ohm cable hookups.

Another factor affecting accuracy, is presence of strong RF fields such as from AM radio stations, FM radio, TV, etc. We have to eyeball average our 259 at Lab when outdoors as we have a medium power AM station down the road a mile or more.

Lots to account for, to get a measurement. They are pretty good in spite of all the caveats and precautions needed to get the results.

73,

Stuart K5KVH

Date: Wed, 10 Jul 2002 19:08:14 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <ccart@phideaux.com>, <qrp-1@lehigh.edu>
Subject: [129532] Checking traps and adjusting the 5BTV
Message-ID: <004601c2286f\$0d12ec20\$4e100a0a@rohredt2000>

Chris,

Sadly, the rest of the antenna does interact with the trap making stand alone measurements a matter of interpretation. You may be able to find gross problems if you measure the trap off the antenna, but with it shielded, it will also be hard to measure. In the old days of open traps we grid dipped them to see high impedance to the band ie a 15 m trap had to be very high impedance like hundreds of ohms at parallel resonance to 15m.

The only adjustment to that antenna trap is the spacing of the tubing from the trap end to another reference point as per the instructions.

What is your indication that the trap is not working? It is possible something failed inside it, but it may be hard to open it up without damage. Some of those metal can enclosed traps crimp the metal around the coil form, or have other fastening rather than only screws. You could simply have corroded tubing where it swages to other size. Clean all that with Scotchbrite pad, and apply NoOx or similar wiring anti oxidation compound from Home Depot for use with aluminum wiring. Make sure the trap is not upside down! (It is easier than you think!) drip holes should face ground. Blow air thru if you can, and rattle the trap to see if bugs or debris is inside. If you got the shield off, you could grid dip the coil, and check for other connection problems. But the frequency of dip will be off until the shield, which is often one side of the capacitance, is back on.

What you might do off the antenna, is join both ends of the trap tubing with large diameter wire, like no. 12, and form a little coil in it, to grid dip

couple to the trap.

With the modern antenna analyzer connected with shortest leads end to end of the trap, you should find a high impedance resonance, but again this will not be exactly like it is on the assembled antenna. One thing you could do, is disassemble the antenna, until you have only the suspect trap and the tubing below it, and see what you measure at coax feedpoint with an Antenna Analyzer. Set the antenna up in the clear, not near conductors, and use short coax to analyzer, and elevate the test antenna so as to work out of its parallel field, when you look at the analyzer. It should be 50 ohms on 15 meters or near to it, with radials connected, if the trap is not doing something out of the ordinary, like shorting.

Hope this helps,
Stuart K5KVH

Date: Wed, 10 Jul 2002 20:12:37 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-l@lehigh.edu>
Subject: [129533] Re: Another observation on 259 use
Message-ID: <3D2CCD75.CE51C409@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

I use mine all the time here at the home QTH, and very now and again, I forget to turn my 10 meter 5 watt beacon off in the garage. I will look at the meter bouncing up and down, then will remember to turn the beacon off while doing any tests on antennas. But all in all, I find that mine works great as well.

Fred
VE3FAL

Stuart Rohre wrote:

>

> Jim, a couple of other notes: You said you built the baluns using sections
> of RG 59?? That is 75 ohm cable. The MFJ is most accurate using 50 ohm
> cable hookups.

>

> Another factor affecting accuracy, is presence of strong RF fields such as
> from AM radio stations, FM radio, TV, etc. We have to eyeball average our
> 259 at Lab when outdoors as we have a medium power AM station down the road

> a mile or more.
>
> Lots to account for, to get a measurement. They are pretty good in spite of
> all the caveats and precautions needed to get the results.
> 73,
>
> Stuart K5KVH

Date: Wed, 10 Jul 2002 19:17:01 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <ccart@phideaux.com>
Cc: <qrp-1@lehigh.edu>
Subject: [129534] Your trap
Message-ID: <004e01c22870\$46f4c610\$4e100a0a@rohredt2000>

Chris, the resonance at 20 MHz is a big clue, for this should be a trap that resonates ABOVE 15m! You would be trapping out that band.

Where do the other traps show the antenna resonates on their bands? The overall effect is to have low SWR in the band center, or to either end if you set the tubing spacing to favor longer, (Cw end) or shorter, (SSB end) of things.

I am afraid you are going to have to find out how to get into that trap, unless it is a corrosion issue you can find externally. IF there are screws holding the trap cover on, just loosen and retighten them before trying extreme measures to get inside. May only be corrosion of the cover screw grounding the coil shield, which is one side of the capacitance as well. Won't hurt to put no ox on the cover screw threads while you are at it. Make sure the insulators are not all gunked up with a carbon track from lightning or something like that. Measure the Resistance with VOM, trap shield to each tubing. One should be isolated from the shield. Measure end to end tube to tube, and see what you see re what is seen with other traps. If the resistance is way off, that is a clue. Sounds like you do have something wrong with this trap.

73,
Stuart K5KVH

Date: Wed, 10 Jul 2002 20:26:45 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <radman@best.com>, <qrp-1@lehigh.edu>
Subject: [129535] Re: Son' o DSW

Message-ID: <009101c2288a\$c9d0d6e0\$2f4f3b41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

I see this reflector's been busy today- my ears are burning. :-)

>>-----Original Message-----

From: Conrad Weiss <radman@best.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Wednesday, July 10, 2002 15:06 PM

Subject: RE: What is good about the DSW series transceivers ?

.....
Now...about two years later, it's back -- Son of DSW! But it's not just
"back" it's better! I hear that we can expect a "wireless interior" -- (no
interconnects between the main board and front & rear panel) it's all done
w/ ESP now ;) <<

The rear-panel connectors are board-mounted. There's a 10-pin semi-rigid
flex between the main board and the front panel daughterboard. It's not
really ESP, more like clairvoyance, but the bottom line is... no
point-to-point wiring.

>>>The new enclosure *probably* won't be the 'cool blue box.' My
wager is, Dave will go with the same packaging scheme he's using on his PSK
series - the extruded Lansing Instruments 'Micropak' series enclosure.
That's a very tough box - good for the trail!<<

Correct- as Mark Dulcey mentioned, it's a small Lansing extrusion enclosure,
manufactured in a short custom length. Grey with black-anodized end panels.

>>What tweaks have been made? I don't know. Personally, I'd wish for a bit
more punch from the PA; seems like 0-5 watts should be doable.<<

It's now rear-panel adjustable with a small slot screwdriver. I'm getting 0
to ~3.3W on the 20M prototype. The TX strip is extensively revised and the
PA is a T0-220 device with heat sink. I upgraded the rating on the
protective zener and I haven't yet been able to destroy the PA.

Pictures soon. :-) I'm about done tweaking the schematic, now working on
firmware updates.

73- Dave Benson, K1SWL

Date: Wed, 10 Jul 2002 19:33:06 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <preacher102677@juno.com>, <qrp-1@lehigh.edu>
Subject: [129536] What scopes do
Message-ID: <005601c22872\$8620bb30\$4e100a0a@rohredt2000>

Good question! Yes, you need to ask that. A scope, unlike a DVM or VOM which only measures DC and AC voltage amplitude, does bring the ability to see the amplitude, and in the case of AC the frequency of the wave, and the wave shape, and its performance over time. The scope shows us the time series of a waveform, while the instrument known as a spectrum analyzer shows the frequency spectrum. Since f is 1 over t , the scope can measure the t , and receivers and spectrum equipment show what is on various frequencies in a band, so they measure amplitude and f .

The scope can also be triggered, which is not possible with a simple voltmeter, and allow you to "freeze" a single cycle waveform in time, allowing inspection of other artifacts riding upon it like other noise frequencies besides the main waveform.

The scope as I mentioned can auto trigger to the waveform you are inspecting, or lock to AC line, which is useful when looking at power supply hum problems.

The scope can measure time between pulses or events that are pulse like.

Used with known sources of timing pulses and frequency waves, you can do a relative comparison measurement of great accuracy quickly. A scope like the 3214 having two input vertical channels allows you to put signals on each and add or subtract them to find the feature that is only common to both signals. Thus, you can do a differential measurement, which is useful if there is high noise on both channels. The common noise would be canceled in subtraction mode.

A scope is very useful in diagnosing distorted waves, troubleshooting, signal tracing thru a circuit and adjusting transceiver stages for low distortion, peaking a signal, or minimizing a carrier in SSB.

The Tektronix tutorial material will cover this and more. You have a toolbox of instruments in one case once you learn to use your scope well.
Good Luck and have fun,
Stuart K5KVH

Date: Wed, 10 Jul 2002 21:41:31 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [129537] NEQRP CW Net, 11 July 02, 8:30 PM EDT, 3.565 MHz
Message-ID: <3D2CE24B.5060900@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP 80M CW net meets again on Thursday night, 11 July 2002, at 8:30 PM EDT (00:30Z, 12 July 02) on or near 3.565 MHz. Net control operator for this week's session will be Chuck, K1CL, operating from Chelmsford, MA.

Because of the 4th of July holiday, there was no net last week.

Next week's (18 July) net op will be John, K1RC. Since I might not have an opportunity to post another announcement next week prior to the net, please put this on your calendar.

72 DE K1CL,
Chuck.

Date: Wed, 10 Jul 2002 21:54:25 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [129538] With respect to "What scopes do" (FS)
Message-ID: <000001c2287d\$e38d3360\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

With the ongoing discussion of "what scopes do," please remember that I have a solid-state Tektronix oscilloscope, Model 7313 for sale. This analog storage scope works great, has excellent triggering, great stability, and a bright and clean dual trace that shows the settings nomenclature (letters and numerals) on-screen.

In addition to the all solid-state 75-MHz mainframe, I have a Tektronix Model 7A18 dual-trace vertical amplifier module, and a calibration plug-in.

A Model 7B50A timebase module is installed. I also have a Model 7A13 differential comparator plug-in for it, as well as a spare 7B50A. I also have all the original Tektronix service manuals for each item, included.

\$250 (you pay shipping or pick it up), o.b.o., or trade for boat anchors (looking for an HRO) or antique radios and parts, or what-have-you?

== Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Mon, 8 Jul 2002 16:17:45 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129539] THANKS: Hustler 5BTV setup dimensions?
Message-ID: <Pine.LNX.4.33.0207081613180.3624-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Jul 2002, Chris Cartwright wrote:
> Anyone have the setup dimensions (or instructions) for the 5BTV?

WD8CIV gets the gold star for this one;

<ftp://bama.sbc.edu/downloads/hustler/4btv/4-BTV.pdf>

Have it printed out, and I know what I'll be doing tonight :) Anyone who needs it can contact me if they can't get it at the above site. I can email/fax/postal mail/etc. Same great list six year later!

FWIW, it took six minutes longer than it did six years ago, so I guess we're all getting older and slower <grin>. Many thanks to all who replied.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Wed, 10 Jul 2002 21:06:52 -0500
From: Mike <mmorrow@companet.net>
To: robert.parks11@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [129540] Re: What is good about the DSW series transceivers ?
Message-ID: <3D2CE83C.2F70@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tony Parks wrote:

> What is good about the DSW series ... ?

I think the DSW design has *the* most elegant combination of features ever made available in a mono-band QRP rig. It's a real work of art! I felt very fortunate to have purchased DSW-20, -30, and -40 units during the brief few months of availability. It is wonderful engineering.

Other postings have listed most of the features. Features I'd like to see in a new DSW (aside from adjustable RF drive, which I understand is in the works for the new DSWs) are:

- (1) Option of mode A iambic keying, either selectable, or through the use of a version of the PIC controller that functions only in mode A. Mode B is standard on the first generation DSW. [I can't tolerate mode B, so this would be the single most helpful design change for me.]
- (2) The old DSW-40 could boot up at either 7040 or 7110 kHz, depending on a panel switch position at time of power application. I'd like to see this feature programmed into the PIC for the 20 meter model to boot up on 15.000 MHz, and for the 30 meter model to boot up on 10.000 MHz, for WWV reception.
- (3) A TO-220 type of final transistor with some sort of heat sinking.
- (4) Use of surface mount *pre-assembled* components on the PCB except for a few band-specific components and power-handling transistors. This would simplify parts packaging and inventory for SWL and the purchaser. It would also significantly speed construction, which typically took me about eight hours per unit of the old DSW PCB. Some components were already pre-assembled on the old DSW PCB, and I see no reason not to apply that concept to most of the other PCB parts.
- (6) A BFO calibration mode that injects a signal precisely on the IF frequency, rather than with an 800 Hz offset, so that the BFO adjustment could be made by tuning the BFO trimmer for zero-beat. The old DSW BFO calibration mode required matching key-up to key-down tones to obtain the proper BFO offset.
- (7) Availability of a 17 meter model.

The old DSWs became my favorite ham rigs, even in comparison to the commercial QRO rigs I have. The new DSW prototype shown at Dayton looks even better. I'm looking forward to being able soon to order one of the new generation, even if the items I listed above are not incorporated.

Mike / KK5F

Date: Wed, 10 Jul 2002 21:28:11 -0500
From: "Kelly Ellison" <kelman@sofnet.com>
To: <qrp-1@lehigh.edu>
Subject: [129541] South Dakota Operation
Message-ID: <003f01c22882\$9ae8c200\$ac32c840@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

I'll be visiting my parents house in Custer, South Dakota next week and hope to be on the air.

Please look for me around 14.060 and 7.040 Between 6AM - 9:00AM Mountain Time, between Sunday July 14th to Saturday July 20th. Hope to work some of you then.

Kelly Ellison - WB0WQS

Date: Wed, 10 Jul 2002 20:34:10 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <ccart@phideaux.com>, qrp-1 <qrp-1@lehigh.edu>
Subject: [129542] Re: "Dipping" traps
Message-ID: <B9524AC2.18D67%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Chris - This is a speculators delight. Nothing I say might be right.

It sounds like you might have a shorted 15 M trap. Unfortunately with all the different lengths of aluminum and tuned circuits, the antenna can exhibit some resonances at unexpected frequencies. The broad 3:1 AWR resonance you see at 20 MHz may be the antenna's 3/4 wave resonance on 15 M.

You can check the resonant frequency of the trap by coupling your frequency generator output by a coil (one or two turns) to one end of the trap, and coupling the input of your scope to the other end by a similar coil. Sweep the frequency generator for maximum signal at lowest frequency on the oscilloscope. This should be more or less the resonant frequency of the trap. Of course, the trap should be isolated from substantial nearby objects. Keep it 10x the trap diameter away from many other object. You can fashion end supports from styrofoam for a test jig.

Given the absence of correct information on the trap resonant frequency, If the trap is resonant near the 15 M band it is probably OK. Here is how I would proceed given your circumstances. If it is shorted, you will not see a maximum. Take the trap apart and fix the problem Although I do not have the URL, there is a web site that tells how to do this. Let me know if you cannot find it. I love a challenge.

1. Since you want to lower your 10 M resonant frequency, I would do that first. Put up the tubing below the 10 M trap. Leave off the trap. Adjust it to the frequency you want. Add the 10 M trap. Check the resonant frequency with your MFJ antenna analyzer. It should be close, but not exact, to what you want. If it is close enough, leave it alone. If not, you may wish to diddle with the tubing length. Don't diddle too much.

2. Add the tubing to make a 15 M vertical above the 10 M trap. Adjust that to the desired frequency on 15 M. Add the trap. Again, the resonant frequency should not change much.

3. Add the rest of the antenna. It should be pretty much the same as before.

Resist the urge to make "good enough" better. There is a lot of interaction between the different bands, and you will only muck things up if you start to fiddle with lower bands after you have set the higher ones to what you want. I am an inveterate twiddler and know where of I speak. Start with the highest frequency and work down. Remember Thomas Wolfe - You can't go back.

Your ground system is good. Since the current in the ground peaks close to the antenna, it is more important to have lots of short radials than a few long radials. If you are interested, I did a short analysis for Dave Gauding some time ago as to what is the best use of wire in a radial system.

For 20 M (66 ft wavelength) I get the following results:

wire length	number	Length
66 ft	17	3.9 ft
100 ft	21	4.8 ft
200 ft	30	6.7 ft
343 ft	40	8.5 ft
500 ft	48	10.4 ft

700 ft	57	12.2 ft
830 ft	62	13.2 ft
1000 ft	68	14.7 ft
1296 ft	78	16.5 ft
2000 ft	97	20.6 ft
3318 ft	125	26.4 ft
4000 ft	127	29.0 ft

You can adjust this for various bands by scaling the the wire length and radial length by the ratio of the frequency of interest to 20 M. That is, double the length for 40 M and halve it for 10 M.

The handbook also has recommendations for radial lengths, that differ about roughly a factor of 2 from my calculations. Given the wide variation in ground variables this is good agreement. They recommend 15 0.1 wavelength radials as an example of a minimum acceptable (3 dB loss) ground system.

Of course the best strategy for radial lengths for multiband verticals is uncertain. Without more calculations than I can do on 2 Fat tires, I would suggest that you add that additioanl 400 ft of wire in a way to optimize your favorite band.

I have a soft spot in my heart for the multiband quarter wavelength vertical. I did a scinece project on 3 phased 14AVQ verticals when I was a Junior in High School (1966-1967). My dad still uses one of these verticals. The other 2 met their demise to vandals and a 105 mph thunderstorm.

I hope that this helps. Let us know when you are up and runnng on all bands.
- Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Wed, 10 Jul 2002 23:19:18 EDT
From: RLucch2098@aol.com
To: qrp-1@lehigh.edu
Subject: [129543] FS: Three(3) BRAND NEW 1-1/2" Vernier Drive Dials w/pics!
Message-ID: <f7.1df42e0a.2a5e5336@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Fellas;

I have for SALE:

3 brand new, in boxes, Philmore brand, 1-1/2" vernier drive dials. 180 degrees marked 0-10 with screws for 1/4" shafts.

These were made in Japan & private labeled for Philmore but just about everyone sold them. I have'nt seen them in years!

Price PPD is \$24.00, great for HomeBrew receivers!

http://www.myradioroom.com/3vernierdials.jpg

Thanks es 73....Rich WA2RQY (1961)

RLUCCH2098@aol.com

"Keep those heaters on"

Date: Wed, 10 Jul 2002 20:28:16 -0700

From: "K7FD N7SG" <k7fd@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [129544] Re: [OT] new Ten-Tec ORION - first inside pictures

Message-ID: <F177tq3472f3tzUaGw10000cd91@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Did Dolly Parton inspire the two big knobs?

73 John K7FD

>From: Ken Hopper - NSIT <khopper@uchicago.edu>

>

>Did you see the first chassis pictures smuggled out of Ten-Tec by a
>nefarious QRP-Ler said to hail from FORT SMITH AR. Who is that mystery
>man?

>

>Pse check out:

>

> <http://www.n9vv.com/orion-resources.html>

>

>dit dit

>de ken n9vv

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 10 Jul 2002 23:4:49 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [129545] Where find CEPT agreement?
Message-ID: <41200274114449391@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Going out the door, rig all packed, etc. Now suddenly I remember that someone advised taking along a copy of the CEPT agreement, in case the authorities in Poland or Ukraine ask about anything. Can someone please tell me where to download a copy of it? Thanks in advance.

73,

--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 11 Jul 2002 00:10:53 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-l@lehigh.edu>, "NEQRP LIST" <neqrp@jonal.net>
Subject: [129546] Rock Mite Rocks!
Message-ID: <004701c22890\$f3022180\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got the rig on tonite and it's a real kick. Clean sine wave & Keying, and about 17.5v P-P. Rx is HOT, but wide -as one might expect, with 40m BC hammering the front end. It has audio to burn. Hosed it up to my 88' EDZ and on the 4th CQ, G3JCF came back and gave me a 339. I'm hitting the sack happy with this evening's effort -and K1SWL's efforts too. Thanks Dave.

72

AA1MY

Seabury & Sharon Lyon

99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Thu, 11 Jul 2002 04:31:59 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: dock0evz@earthlink.net, qrp-1@lehigh.edu
Subject: [129547] Re: Where find CEPT agreement?
Message-ID: <F1702Yyp17F1Bj5Wzvn0000e392@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

ARRL should have it on their web site....

72 es have a good trip!!

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # Pending
GACW #622

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Wed, 10 Jul 2002 21:47:36 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129548] Re: What is good about the DSW series transceivers ?
Message-ID: <00a201c22896\$15f92490\$aa9eb2d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I just had to comment on this one. Dave's DSW series of radios, is, IMHO the

best ever mono band QRP kit rig! I think all of the comments I would make have been made, and I agree 100%! It's great when you're out on a day hike to have this little rig and know exactly what frequency you are on. The frequency annunciator is great! I take this rig when I go out camping and it's been a blast. I've got the DSW-40. I only wish that I would have had the foresight to buy one for 20 and 30 meters as well! Dave, if you're making an early list for the new rig, put me down for a DSW-20!

73's Trev KG6CYN

Date: Wed, 10 Jul 2002 22:54:27 -0600
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [129549] Re: [Where find CEPT agreement?]
Message-ID: <20020711045427.14846.qmail@uadvg137.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

<http://www.arrl.org/FandES/field/regulations/io/>

Link in the first paragraph.

"wilford lindsey" <dock0evz@earthlink.net> wrote:

> Gang:

> =

> Going out the door, rig all packed, etc. Now suddenly I remember that
> someone advised taking along a copy of the CEPT agreement, in case the
> authorities in Poland or Ukraine ask about anything. Can someone please
> tell me where to download a copy of it? Thanks in advance.

> =

> 73,

> --Doc/K0EVZ

> =

> --- wilford lindsey

> --- dock0evz@earthlink.net

> --- EarthLink: The #1 provider of the Real Internet.

> =

> =

> =

Date: Thu, 11 Jul 2002 0:37:4 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [129550] CEPT - found, tks everyone
Message-ID: <41200274115374392@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Wow, what a terrific response. Have found the much needed CEPT agreement. My trip begins in about 10 hours from right now. Will run 11 - 23 July 02, and include Amsterdam, Warsaw, and L'viv and surround towns. I don't know when I might have time to get on 20, but hope to work lots of fellow USA hams. Thanks again.

GL es 73,
--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 11 Jul 2002 01:43:07 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [129551] Re: Help - Cutting PCB Material
Message-ID: <20020711011743.B68334-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

John,

While I have used several methods to cut pcb over the years, I found that i had the best results on larger pieces by sandwiching it between two Steel Plates and cutting it with my Sabre Saw using a hack saw type blade. Abt 32 tpi. I have also used an ordinary Hacksaw, it just takes a bit more effort. The two Steel Plates were scraps from an old IBM Keyboard assembly. about # 10 or #12 Gauge. I drilled a couple of Half-inch holes in the plates and added Bolts, nuts and washers, this was all fastened to a scrap piece of 2 X 8 board. It is not much more than a Wide Jaw Vise.

The Cutting Jig really holds the board snug. I use an AWL to Scribe my lines on the pcb for accuracy. After making the cut, I loosen the jig and move the edge out a small amount and re-tighten. Then I use one of my Sanding tools with an emory Medium Emory Disk on it and run it down the edge for a nige smooth and even edge.

After a while you learn how much to allow for clean-up of the edge.

I note that a few have mentioned using a Router or Table Saw.

Both are excellent, IF YOU USE A JIG and Wear the Appropriate Safety Gear!

Most Routers will buzz thru that pcb like "Hot Butter".

Saws will Throw it at you with the slightest provocation. ALWAYS USE A CLAMP!

Scoring and Snapping works, but IMHO, not the best choice.

With PCB you must Score Both sides. Don't Try that with Glass, unless you are trying to make scraps. :^{}

I have heard several speak of putting the blade on backwards on the saw for a better job of cutting pcb material.

I just saw a nifty Jig for use with a Circular Saw in one of my Wood magazines. It is rather like a Miter Box with The Circular Saw acting as a Radial Arm Saw.

I am thinking of making one similar for use with my 12 Volt Makita Saw.

It has only about 4 inch blade, but there is a Diamond Blade Available for it. They actually make one with a water bottle attachment for tile cutting.

I think I saaw a Special on the Small 4" Diamond Cutting Blades at Harbor Freight. Set of three for \$ 10.00 Maybe I will make a PCB Saw with a Flex Shaft and the Roto Zip. A bit of Overkill?

Also Harbor Freight Had a Small Hobby Table Saw that might do the trick.

I guess I had best get my order in for those blades before they are OOS :^}

GL es Happy Cutting, Filing, Sanding and otherwise mutilating pcb. :^}

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Wed, 10 Jul 2002 22:54:56 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129552] Re: Where find CEPT agreement?
Message-ID: <20020711055456.GA5998@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

<http://www.arrl.org/FandES/field/regulations/io/cept-ral.pdf>

On Wed, Jul 10, 2002 at 11:04:49PM -0500, wilford lindsey wrote:

> Gang:

>

> Going out the door, rig all packed, etc. Now suddenly I remember that
> someone advised taking along a copy of the CEPT agreement, in case the
> authorities in Poland or Ukraine ask about anything. Can someone please
> tell me where to download a copy of it? Thanks in advance.

>

> 73,

> --Doc/K0EVZ

>

> --- wilford lindsey

> --- dock0evz@earthlink.net

> --- EarthLink: The #1 provider of the Real Internet.

>

--

Bob Nielsen, N7XY

n7xy@n7xy.net

Bainbridge Island, WA

IOTA NA-065, USI WA-028S

Date: Thu, 11 Jul 2002 01:17:22 -0400 (EDT)

From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>

To: tentec@contesting.com, qrp-1 <qrp-1@lehigh.edu>

Subject: [129553] Wanted: trade my 218 for a 217 filter

Message-ID: <Pine.LNX.4.44.0207110114190.19416-100000@w3eax.umd.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

When I got my OMNI V, I had a 217 in my garage, but stupidly thought it was a "spare."

Then, during sweepstakes, I found out it wasn't.

My OMNI V has a model 218 (SSB) filter in the 9 MHz IF.

Does anyone have a spare model 217 filter they'd part with? Can offer a lightly used model 218 filter, or if you're just interested in selling...

I also have a few model 288 SSB filters for the 6.3 MHz IF, if anyone is interested.

Thanks,

Scott N7JI

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Thu, 11 Jul 2002 08:06:06 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: leinwebe@mcmail.cis.mcmaster.ca, qrp-l@lehigh.edu
Subject: [129554] Re: Virtual Morse key update
Message-ID: <F190Yf1U8AVIBsOPd8s0001020f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
>Reply-To: leinwebe@mcmail.cis.mcmaster.ca
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Virtual Morse key update
>Date: Wed, 10 Jul 2002 17:10:39 -0700
>
>Morse coding in a single byte:
>OK, guys - here's a variation on the theme:
>A = 01100000
>B = 10001000
>C = 10101000
>7 = 11000100
>2 = 00111100

Even neater!

Mine's 19 words on the AVR, but that doesn't include the dit and dah generation.

Here's my code:

;send code in byte

```

send_cw:
    ldi count,8
    rol byte      ;ms bit in carry
    brcs send2    ;1?
send1:
    dec count     ;No, swallow 0s
    rol byte
    brcc send1
    rjmp send3
send2:
    dec count     ;Yes, swallow 1s
    rol byte
    brcs send2
send3:
    ;we've now reached start of actual code
    ;with first bit in carry
    brcs send4    ;1?
    rcall dit     ;No, send dit
    rjmp send5
send4:
    rcall dah     ;Yes, send dah
send5:
    rcall dit_space
    rol byte
    dec count
    brne send3
    ret

```

I could make it smaller with in-line coding and use of the timer instead of the delay loop I'm using, but I don't think I could beat Glen's technique.

Actually, on the AVR the way I've coded it, I don't gain anything using these techniques, as each character in fact takes one word or two bytes when stored in flash program memory.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Thu, 11 Jul 2002 06:46:35 -0400
From: "Leech Mike (AP/EAT1)" <Mike.Leech@us.bosch.com>
To: "QRP-L (send messages) (E-mail)" <qrp-l@lehigh.edu>
Subject: [129555] Feed line switching
Message-ID: <33A699A764F7D3118E440002A5136E6F4B52D9@fhmail4.fh.us.bosch.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

what methods are being used to switch multiple balanced feed line.

In the past I've used a coaxial switch for coaxial fed multiple antennas.

What type of switch arrangement is used for balanced feed line?

Thanks - Mike KF8FG

Date: Thu, 11 Jul 2002 07:29:17 -0400
From: Tim O'Rourke <TORourke@kaiserft.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>
Subject: [129556] Help - Cutting PCBoard material
Message-ID: <0514B74864ACD511934400508BBB5E3415F7B7@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If you will let me know the size needed I will cut and mill the sizes u need. I have some material hr so all I need is the size. My nickel, no cost tu.

Tim O'Rourke KG4CHX

Date: Thu, 11 Jul 2002 05:55:25 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'k7fd@hotmail.com'" <k7fd@hotmail.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129557] RE: [OT] Ten-Tec ORION - Tuning Knob(bies)
Message-ID: <01C228A4.419AB240@KKANALZ>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Probably so, John, since Miz Dolly is a relative "local" in Tennessee!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: K7FD N7SG [SMTP:k7fd@hotmail.com]
Sent: Wednesday, July 10, 2002 10:28 PM
To: Low Power Amateur Radio Discussion
Subject: Re: [OT] new Ten-Tec ORION - first inside pictures

Did Dolly Parton inspire the two big knobs?

73 John K7FD

Date: Thu, 11 Jul 2002 04:34:52 -0700 (PDT)
From: Patrick Gardella <pgardella@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129558] Re: Rock Mite Rocks!
Message-ID: <20020711113453.58696.qmail@web40203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Heard lots of good reports on this, but when is it going to be available?

Patrick

--- ss lyon <sslyon@megalink.net> wrote:

> Got the rig on tonite and it's a real kick. Clean sine wave & Keying, and about
> 17.5v P-P. Rx is HOT, but wide -as one might expect, with 40m BC hammering the
> front end. It has audio to burn. Hosed it up to my 88' EDZ and on the 4th CQ,
> G3JCF came back and gave me a 339. I'm hitting the sack happy with this
> evening's effort -and K1SWL's efforts too. Thanks Dave.

> 72

> AA1MY

> Seabury & Sharon Lyon

> 99 Sparrowhawk Mtn Rd

> Bethel ME, 04217 U.S.A.

> 207-836-2576

>

> Virus Protection by Norton and ZoneAlarm

>

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
<http://sbc.yahoo.com>

Date: Thu, 11 Jul 2002 07:37:21 -0400
From: Tim O'Rourke <TO'Rourke@kaiserft.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Subject: [129559] RE: MFJ-9420
Message-ID: <0514B74864ACD511934400508BBB5E3415F7B8@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I have most of the MFJ mono banders and they all work fine. I use they as loaners to scouts just getting started.
If u want versatility and more bands and are not too concerned abt receive current draw I would look at the Patcom PC500. Entry level price is close to that of MFJ mono bander and u can put any 2 bands in the rig from 10-160 + 6 meters. I saw one on the HF pack reflrctor real reasonable recently. Do not know if it has sold. BTW I do have a PC500 and it is a fine rig.
Tim O'Rourke KG4CHX

Date: Thu, 11 Jul 2002 06:48:13 -0500
From: "Tony Parks" <robert.parks11@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129560] son of DSW sounds good!
Message-ID: <002101c228d0\$d7c02e40\$db12f143@3dse0>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all to responded in such an informative and enthusiastic way to my question "what is good about the DSW series of transceivers."

I recently completed my second K1 (gave the first one to my daughter) and have also built a K2. Needless to say I am needing another kit project soon!

Dave, your new DSW sounds exactly right for my next kit. Hope it is available soon and the waiting line is not too long.

73,
Tony
KB9YIG

Date: Thu, 11 Jul 2002 07:48:39 -0400
From: Harry Hurst <wa3ptg@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129561] Repair MFJ9020 + WTB filter and keyer
Message-ID: <HIEKLOODELDPNBOHKICHIEJHCCAA.wa3ptg@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

I've got a VERY used MFJ9020 that seemed to work until I put up a 20-meter dipole the other day. It transmits fine, but after transmitting the receiver doesn't work. The problem is probably K1. Is it worth trying to clean the contacts, or should I just order a new relay from MFJ?

Also looking for the 700 Hz audio filter, MFJ-726 and MFJ412 keyer. Thanks!

Hap, WA3PTG
Wilmington DE

Date: Thu, 11 Jul 2002 07:02:25 -0500
From: "George, W5YR" <w5yr@att.net>
To: Mike.Leech@us.bosch.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129562] Re: Feed line switching
Message-ID: <3D2D73D1.4673A9D5@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Consider using small open-frame relays. Radio Shack has a couple that should do well. There is a wide variety of much larger relays - for more \$\$\$ - that could readily handle QR0.

The problem with any switching on a tuned line is the location of the switch(es) relative to voltage/current maxima on the line. Since both exist but at different locations, compromise switch locations have to be found.

Of course, a "hot" line should never be switched. But even when not actuated, the switch or relay contacts have to handle whatever voltage is across the line at that point and whatever current is flowing through the line.

Since balanced lines are of higher impedance, voltages tend to be much higher than with low-Z coax but currents are smaller. Thus, the voltage rating of the switch or relay would probably be the limiting factor.

For QRP, none of this is likely to be limiting, so use what is convenient and works for you. Just remember that the voltage peak across a line with an SWR - and tuned lines can have very high SWR - is the square root of the SWR times the voltage that would be across a flat line of the same Z_0 . Same for the current . . .

I have three ladderlines coming to the shack; two through W2DU bead baluns to coax and one as parallel RG-213 shielded 100 ohm balanced line. If I were to do switching outside I could avoid using some of the baluns and bring everything in via the RG-213 100 ohm line.

Thanks! You have given me something to think about! <:}

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

"Leech Mike (AP/EAT1)" wrote:

>
> what methods are being used to switch multiple balanced feed line.
>
> In the past I've used a coaxial switch for coaxial fed multiple antennas.
>
> What type of switch arrangement is used for balanced feed line?

Date: Fri, 12 Jul 2002 01:10:25 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [129563] Morse encoding techniques

Message-ID: <DAV67oDarInw0s6gvoZ00009860@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've just tried Glen's technique out on the AVR. Because there is only an ASR instruction and no ASL, I had to reverse the bit order: 'B' is 00010001.

Here's my code:

```
send_cw:
        asr         byte
        breq        send3
        brcs        send1
        rcall       dit
        rjmp        send2
send1:
        rcall       dah
send2:
        rjmp        send_cw
send3:
        ret
```

I haven't actually tried it on the hardware, but it simulates OK. Eight words against 19 for my original code. Thanks, Glen.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Thu, 11 Jul 2002 07:35:13 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>
Subject: [129564] QRP ARCI - QQ is here!
Message-ID: <000f01c228d7\$67e29f20\$1c64030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got my June QQ in the mail yesterday, Joel did a great job on writing up some of the FDIM events. Lot's of good pictures!

Looks like another good technical issue as well.

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

Date: Thu, 11 Jul 2002 08:32:22 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129565] Antique gear prices
Message-ID: <3D2D7AD6.97632263@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

Does someone perhaps have a link to a site that lists current market prices on used and antique hamradio gear? I'm planning on going to an auction this weekend so I would like to be somewhat prepared about what the going rates are.

Thanks and 73,
--Alex
(KR1ST)

Date: Thu, 11 Jul 2002 08:31:22 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129566] OT: Anyone else getting SPAM from Saf-E
Message-ID: <008d01c228d6\$e1f5f420\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wondered if anyone else is getting SPAM from a place called Saf-E?

Not the ad itself. Saf-E mail always comes from \$domain [80.16.228.101] and they place YOUR email address in the email as the 'from' field. They always end their emails with:

"This email was sent to you via Saf-E Mail Systems. Your email address was automatically inserted into the To and From addresses to eliminate undeliverables which waste bandwidth and cause internet congestion. Your email or webserver IS NOT being used for the sending of this mail. No-one else is receiving emails from your address. You may utilize the removal link below if you do not wish to receive this mailing."

I wonder what kind of legal action you could take since they are using YOUR email address to fake the system? Or... Remember the phrase "what's good for the goose"? Perhaps we could all flood 80.16.228.101 for a while!

Hmm, can we get ISPs to block by IP?

Mike

Date: Thu, 11 Jul 2002 06:38:48 -0600
From: "P.Ermisch" <ermisch@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [129567] Re: [Feed line switching]
Message-ID: <20020711123848.5763.qmail@uadv137.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

One solution:

http://www.io.com/~n5fc/ant_sw.htm

"Leech Mike (AP/EAT1)" <Mike.Leech@us.bosch.com> wrote:

> what methods are being used to switch multiple balanced feed line.

> =

> In the past I've used a coaxial switch for coaxial fed multiple antenna=

S.

> =

> What type of switch arrangement is used for balanced feed line?

> =

> Thanks - Mike KF8FG

> =

> =

> =

Date: Thu, 11 Jul 2002 05:56:10 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: <qrp-1@lehigh.edu>
Subject: [129568] Alinco 2/70 cm xcvr FS
Message-ID: <007d01c228da\$55ca5460\$6e811c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seldom used...Includes mic, mount and Larson mag mount antenna...\$210.
shipped USA thanks ...john...KF70M

Date: Thu, 11 Jul 2002 09:01:53 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129569] Re: [Feed line switching]
Message-ID: <009901c228db\$225f1240\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you use some of the Radio Shack relays, as was suggested, I just
want to make sure people aren't 'trapped' into using them 'as is'.

Some of the relays, notably the ones that have 'end plates' where all the contacts are together, can have their performance for RF uses dramatically increased by just unsoldering the wires that lead from the 'common' area to the relay contacts, and hooking your antenna leads directly to where you unsoldered the jumpers.

For example, if you look at one of the relays with the clear plastic cover, just pop the cover off and you can easily unsolder and attach direct.

I've used some of these relays at 2M using this technique.

Mike

Date: Thu, 11 Jul 2002 07:13:55 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129570] FS Kenwood TH-6A
Message-ID: <009e01c228dc\$cfba6290\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Age unknown, good condition (9 of 10) \$290 shipped CONUS

Bought off eBay a little while ago units works FB, The belt clip has scratches, and two buttons are slightly worn. Batt. holds charge as it should. Package includes:

- o the F6
- o charger
- o manual
- o warranty card

Pictures available on request.

73, Rod N0RC

Date: Thu, 11 Jul 2002 09:15:51 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129571] Vertical Confusion
Message-ID: <3D2D8507.23067EF2@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's probably something simple, but I can't seem to find the answer in the handbook or other antenna guides I've consulted.

If one is using an elevated vertical radiator, is there a critical distance between the base of the radiator and the groundplane? And if there is a critical distance, what is it?

In my specific application, if I'm using a 20m Hamstick up 1/4 wavelength or so, where do I place the radials??

TIA and 73,

Ken KG4FGC

Date: Thu, 11 Jul 2002 09:16:19 -0400
From: "Stew" <ke4yh@gte.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129572] Re: Anyone else getting SPAM from Saf-E
Message-ID: <007d01c228dd\$254ecd40\$642c6018@mshome.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike just for you infor domain 80.16.228.101 belongs to:

Interbusiness Network Administration Staff

address: Telecom Italia
address: Via Paolo di Dono, 44
address: 00142 Roma
address: Italy
phone: +39 06 3688 1
e-mail: network@cgi.interbusiness.it
trouble: Please report Spam/Abuse to
abuse@interbusiness.it

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, July 11, 2002 8:31 AM

Subject: OT: Anyone else getting SPAM from Saf-E

>
> Just wondered if anyone else is getting SPAM from a place called
> Saf-E?
>
> Not the ad itself. Saf-E mail always comes from \$domain [80.16.228.101]
> and they place YOUR email address in the email as the 'from' field. They
> always end their emails with:
>
> "This email was sent to you via Saf-E Mail Systems. Your email address
> was automatically inserted into the To and From addresses to eliminate
> undeliverables which waste bandwidth and cause internet congestion. Your
> email or webserver IS NOT being used for the sending of this mail. No-one
> else is receiving emails from your address. You may utilize the removal
> link below if you do not wish to receive this mailing."
>
> I wonder what kind of legal action you could take since they are using
> YOUR email address to fake the system? Or... Remember the phrase
> "what's good for the goose"? Perhaps we could all flood 80.16.228.101
> for a while!
>
> Hmm, can we get ISPs to block by IP?
>
> Mike
>
>
>
>

Date: Thu, 11 Jul 2002 21:21:44 -0400

From: "ss lyon" <sslyon@megalink.net>

To: <pgardella@yahoo.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [129573] Re: Rock Mite available?

Message-ID: <005901c22942\$7c6d1860\$aac7e742@megalink.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Not certain on this but I think Rock Mite is one of those things that "You Had To Be There" to acquire. Dave was intending to pass them out free to attendees at LOBSTERCON, Ft. Tuthill, etc. to encourage participation and experimentation. Pretty sure he didn't intend to market them. I got lucky via LOBSTERCON.

73

-S-

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Patrick Gardella" <pgardella@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, July 11, 2002 7:34 AM

Subject: Re: Rock Mite Rocks!

> Heard lots of good reports on this, but when is it going to be available?
>
> Patrick
>
> --- ss lyon <sslyon@megalink.net> wrote:
> > Got the rig on tonite and it's a real kick. Clean sine wave & Keying, and
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> > 72
> > AA1MY
> > Seabury & Sharon Lyon
> > 99 Sparrowhawk Mtn Rd
> > Bethel ME, 04217 U.S.A.
> > 207-836-2576
> >
> > Virus Protection by Norton and ZoneAlarm
> >
>
>
> -----
> Do You Yahoo!?
> Sign up for SBC Yahoo! Dial - First Month Free

> <http://sbc.yahoo.com>

Date: Thu, 11 Jul 2002 09:46:43 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <kr1st@amsat.org>
Cc: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [129574] RE: Antique gear prices
Message-ID: <000101c228e1\$65226220\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alex, check out <http://home.cfl.rr.com/happysurfer/ham/bone1995.htm>

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Alex
Sent: Thursday, July 11, 2002 8:32 AM
To: Low Power Amateur Radio Discussion
Subject: Antique gear prices

Hi there,

Does someone perhaps have a link to a site that lists current market prices on used and antique hamradio gear? I'm planning on going to an auction this weekend so I would like to be somewhat prepared about what the going rates are.

Thanks and 73,
--Alex
(KR1ST)

Date: Thu, 11 Jul 2002 08:59:33 -0500
From: "George, W5YR" <w5yr@att.net>

To: hoglund@wfu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129575] Re: Vertical Confusion
Message-ID: <3D2D8F45.7E11EFC4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As close to the coax braid of the feedline as possible. Any wire between the braid next to where the center conductor comes out to the driven element is part of the radial/groundplane system.

Place the radials right at the base of the Hamstick with the shortest possible connection between the radials and the coax braid,

Elevated radials work best in pairs that are tuned like dipole antennas.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Kenneth Hoglund wrote:

>
> It's probably something simple, but I can't seem to find the answer in
> the handbook or other antenna guides I've consulted.
>
> If one is using an elevated vertical radiator, is there a critical
> distance between the base of the radiator and the groundplane? And if
> there is a critical distance, what is it?
>
> In my specific application, if I'm using a 20m Hamstick up 1/4
> wavelength or so, where do I place the radials??

Date: Thu, 11 Jul 2002 10:03:34 -0400
From: "Garey Barrell" <k4oah@mindspring.com>
To: <ai2q@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129576] Re: Antique gear prices
Message-ID: <00d801c228e3\$becba6e0\$6401a8c0@hp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alex -

For more current pricing try

<http://aade.com/hampedia/prices.htm>

73, Garey - K40AH
Atlanta

----- Original Message -----

From: "AI2Q Alex" <ai2q@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, July 11, 2002 9:46 AM

Subject: RE: Antique gear prices

>

> Alex, check out <http://home.cfl.rr.com/happysurfer/ham/bone1995.htm>

>

> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

>

>

>

>

>

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On

Behalf Of

> Alex

> Sent: Thursday, July 11, 2002 8:32 AM

> To: Low Power Amateur Radio Discussion

> Subject: Antique gear prices

>

>

> Hi there,

>

> Does someone perhaps have a link to a site that lists current market

> prices on used and antique hamradio gear? I'm planning on going to
> an

> auction this weekend so I would like to be somewhat prepared about
> what

> the going rates are.

>

> Thanks and 73,

> --Alex

> (KR1ST)

Date: Thu, 11 Jul 2002 07:57:31 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <sslyon@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129577] Re: Rock Mite available?
Message-ID: <001701c228eb\$489ba260\$9110010a@fresno>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "ss lyon" <sslyon@megalink.net>

> Not certain on this but I think Rock Mite is one of those things that "You
Had
> To Be There" to acquire.

If that is indeed the case, perhaps we could persuade Dave to publish a
schematic and parts list for those of us who live on the other side of the
country.

Date: Thu, 11 Jul 2002 09:15:59 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Kenneth Hoglund <hoglund@wfu.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129578] Re: Vertical Confusion
Message-ID: <Pine.LNX.4.44.0207110914010.2617-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well Ken, 1/4 wave is too high to use the real ground. So make 4 1/4
wave long radials and insulate them from ground. That will make an
elevated ground for your antenna. Should work fine!

On Thu, 11 Jul 2002, Kenneth Hoglund wrote:

> It's probably something simple, but I can't seem to find the answer in
> the handbook or other antenna guides I've consulted.
>

> If one is using an elevated vertical radiator, is there a critical
> distance between the base of the radiator and the groundplane? And if
> there is a critical distance, what is it?
>
> In my specific application, if I'm using a 20m Hamstick up 1/4
> wavelength or so, where do I place the radials??
>
> TIA and 73,
>
> Ken KG4FGC
>
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 11 Jul 2002 09:17:26 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [129579] Fox Hunt?
Message-ID: <Pine.LNX.4.44.0207110916070.2617-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's Thursday and I see no Fox e-mails on this list? Am I not
getting all the list mail?

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 11 Jul 2002 11:19:44 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <kd7s@psnw.com>, <qrp-l@lehigh.edu>
Subject: [129580] Re: Rock Mite available?
Message-ID: <000401c22907\$89497dc0\$27bf3a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

No- the 'Rock-mite' will l be available- I'll be able to set the schedule within a few days. I have plenty of boards, but am waiting on another lot of crystals. Once I've established 'when' with those, the Rock-mite becomes a product.

'Here's the deal'- I talked to Doug Hendricks before he left on his summer travels. He graciously shipped me a limited quantity of crystals to be used solely for 'give-aways'. Based on NorCal's generosity, I credited them as a co-contributor on the 'Rock-mites' given away at Lobstercon. It won't become a NorCal offering, but instead will be under my auspices. The give-aways were a matter of being in 'the right place at the right time'. :-)

73- Dave Benson, K1SWL

Subject: Re: Rock Mite available?

----- Original Message -----

From: "ss lyon" <sslyon@megalink.net>

> Not certain on this but I think Rock Mite is one of those things that "You Had

> To Be There" to acquire.

If that is indeed the case, perhaps we could persuade Dave to publish a schematic and parts list for those of us who live on the other side of the country.

Date: Thu, 11 Jul 2002 11:32:55 -0700

From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>

To: "Brian" <brian@iquest.net>

Cc: "qrp-l" <qrp-l@lehigh.edu>

Subject: [129581] Re: [Elmer 101] Part 5 - Done - Check this out

Message-ID: <002101c22909\$5fbc0fc0\$07ea7182@mcmaster.ca>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bert,

Usually, a RF probe connected to a multimeter will display rms volts, which is 0.7071 times as large as peak volts. This is for a sinusoidal waveform. What you'd usually measure on the scope is peak-to-peak volts. Note that you'd HAVE TO use a 10X attenuator probe connected to the scope, else the coax capacitance will completely de-tune the 14 MHz resonant circuits you're probing. Even with the 10X probe, there's some de-tuning due to probe capacitance.

In any case, 1.4v at the base of Q4 is looking good.

Your 14.107 does seem a bit high. Do you have the tuning pot hooked up? If not, then wiring it in will help decrease this frequency.

If you've got the tuning pot wired in, then you may have to tweak the VFO frequency by adding a small-value capacitor at the C7 position.

----- Original Message -----

From: "Brian" <brian@iquest.net>

To: <elmer101@xcvr.com>

Sent: Wednesday, July 10, 2002 7:10 PM

Subject: [Elmer 101] Part 5 - Done - Check this out

> 6 parts, looks like a breeze...but wait...I'm a scope rookie and
> couldn't get my scope to do what I wanted it to do, only what I was
> telling it to do...which are two different things most of the time.
>
> So I built my first RF probe out of my junk box according to the
> diagram Dave put in the SWL+20 docs.
>
> On the base of Q4 I was able to peak up to 1.41 volts with the RF
> probe. Is this good? Bad? Other? How should this look on my scope?
> 1.4v peak to peak?
>
> My FC shows 14.107 Mhz at the base of Q4. Hmmm...I hope somewhere in
> there we'll be bringing that down. I want this set up for the
> bottom/middle of 20m.

Date: Thu, 11 Jul 2002 10:15:42 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [129582] Fox Data
Message-ID: <Pine.LNX.4.44.0207111010160.2617-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I went to the web page and found N1FN and KV2X are the Foxes tonight. Then I went to QSL.COM and found N1FN ET in Colorado whom I will not hear a peep from, and KV2X is Tom in NY and I should be able to hear him.

Alas I have a board meeting tonight at, you guessed 7pm or 0200 UTC. They are used to me ducking out to the Jeep and making odd noises.

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 11 Jul 2002 09:46:55 -0700
From: Jim Pruitt <PruittJ@cwu.edu>
To: ermisch@usa.net
Cc: qrp-l@lehigh.edu
Subject: [129583] Re: [Feed line switching]
Message-ID: <sd2d541c.041@hermes.cwu.edu>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: quoted-printable
Content-disposition: inline

You might try:
<http://www.iol.ie/~bravo/remote.htm#Automatic%20Band%20Decoders>
or
<http://www.qsl.net/ei7ba/Decoder.htm>

for an automatic antenna switch. It was designed primarily for the Yaesu = but the last time I looked at ON4AOI's site at: <http://users.skynet.be/ON4AOI/banddecoder.shtml>=20 he had things available for a couple of the other brands like Kenwood and = Icon (don't remember exactly what he had).

This decoder and automatic bandswitching arrangement appears to be for =

unbalanced coax lines but does not look like there is any reason why = connectors for balanced lines could not be used as well.

I hope this helps.

Thanks

Jim Pruitt

>>> "P.Ermisch" <ermisch@usa.net> 07/11/02 05:38AM >>>
One solution:

http://www.io.com/~n5fc/ant_sw.htm=20

"Leech Mike (AP/EAT1)" <Mike.Leech@us.bosch.com> wrote:
> what methods are being used to switch multiple balanced feed line.
>=20
> In the past I've used a coaxial switch for coaxial fed multiple =
antennas.
>=20
> What type of switch arrangement is used for balanced feed line?
>=20
> Thanks - Mike KF8FG
>=20
>=20
>=20

Date: Thu, 11 Jul 2002 10:03:08 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: Mike.Leech@us.bosch.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [129584] Re: Feed line switching
Message-ID: <20020711170308.85591.qmail@web14205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Lets see, if I talk about a double knife switch I will
be showing my age so I guess I will just be quite.

Never mind,

73 bill kc4atu

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
<http://sbc.yahoo.com>

Date: Thu, 11 Jul 2002 11:49:11 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [129585] Re: Rock Mite available?
Message-ID: <3.0.6.32.20020711114911.007ba340@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Pretty sure he didn't intend to market them. I got lucky via >LOBSTERCON.

We should wait for Dave to comment on this, but I believe the Rock-Mite will be made available to the general public in a month or so...

And congratulations on working a G3 with it Seab! That's amazing! Mine puts out about 500 mw with a gell-cell, so that's got to be a lot of miles per watt :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 11 Jul 2002 14:19:40 -0400
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [129586] RE:20 mtr SSB rig
Message-ID: <6579C6377F475547985F0B3E426E162614067A@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi

In the last day or so I have seen responses to the question on MFJ SSB =
rig. I haven't seen much mention of the SWL White Mountain Series of SSB =
kits. I just looked on the web site at
<http://www.smallwonderlabs.com/> and see they are still listed. Might be =
a good place to look, I understand they are nice too.

Marty Hartwell kd8bj
AT&T Columbus Ohio
PH:614-501-2503

Date: Thu, 11 Jul 2002 11:26:39 -0700
From: Mighty Mik <mightymik2@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [129587] Re: Rock Mite available?
Message-ID: <5.1.0.14.0.200207111112551.00b68628@mail.attbi.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The question i have yet to see...how much? :)

At 11:19 AM 7/11/2002 -0700, you wrote:

>gang-
>
>No- the 'Rock-mite' will l be available- I'll be able to set the schedule
>within a few days. I have plenty of boards, but am waiting on another lot
>of crystals. Once I've established 'when' with those, the Rock-mite becomes
>a product.
>
> 'Here's the deal'- I talked to Doug Hendricks before he left on his
>summer travels. He graciously shipped me a limited quantity of crystals to
>be used solely for 'give-aways'. Based on NorCal's generosity, I credited
>them as a co-contributor on the 'Rock-mites' given away at Lobstercon. It
>won't become a NorCal offering, but instead will be under my auspices. The
>give-aways were a matter of being in 'the right place at the right time'.
>:-)
>
>73- Dave Benson, K1SWL
>-----
>Subject: Re: Rock Mite available?
>
>

>
>----- Original Message -----
>From: "ss lyon" <sslyon@megalink.net>
>
> > Not certain on this but I think Rock Mite is one of those things that "You
>Had
> > To Be There" to acquire.
>
>If that is indeed the case, perhaps we could persuade Dave to publish a
>schematic and parts list for those of us who live on the other side of the
>country.

Date: Thu, 11 Jul 2002 18:46:40 +0000
From: k8cz@att.net
To: "Brian" <brian@iquest.net>
Cc: "QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>
Subject: [129588] Re: [fpqrp] QRP ARCI - QQ is here!
Message-ID:
<20020711184640.ZLJL15849.mtiwmhc22.worldnet.att.net@webmail.worldnet.att.net>

Same here. Great issue, brought back many memories of
some great times.

Still laughing. During Joel's talk at the banquet with
Preston, I thought we were both going to our
pants. I never laughed so hard in my life. What a
great time, and the QRP stuff was good too.

--

73,72, 00

FP #41 NJQRP #338 Fists #2360

ARCI #9606 SOC #336 Norcal ARRL

Hamilton, Ohio EM79ri

Tom, K8CZ

> I just got my June QQ in the mail yesterday, Joel did a great job on
> writing up some of the FDIM events. Lot's of good pictures!

>

> Looks like another good technical issue as well.

>

>

> =====

> KB9BVN/QRP - New Whiteland IN - EM69WN

> QRP-ARCI #10223 QRP-L #1540 FIST #5695

> FISTS CC #764 - Proud Member ARRL

> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W

> INTO INFAMOUS AF4PS ATTIC DIPOLE

> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
>
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

Date: Thu, 11 Jul 2002 13:56:51 est
From: brian@iquest.net
To: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [129589] Re: [Elmer 101] Part 5 - Done - Check this out
Message-ID: <3d2dd4f3.37f9.0@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No tuning pot...just a shorting wire.

I kind of thought I'd have to do something with C7 I just don't want to have to remove L1 and take a winding off.

I'll pop a tuning pot in there to see what happens.

>Bert,
> Usually, a RF probe connected to a multimeter will display
>rms volts, which is 0.7071 times as large as peak volts. This is
>for a sinusoidal waveform. What you'd usually measure on
>the scope is peak-to-peak volts. Note that you'd HAVE TO
>use a 10X attenuator probe connected to the scope, else
>the coax capacitance will completely de-tune the 14 MHz
>resonant circuits you're probing. Even with the 10X probe,
>there's some de-tuning due to probe capacitance.
>
> In any case, 1.4v at the base of Q4 is looking good.
>
>Your 14.107 does seem a bit high. Do you have the tuning pot
>hooked up? If not, then wiring it in will help decrease this
>frequency.
> If you've got the tuning pot wired in, then you may have to
>tweak the VFO frequency by adding a small-value capacitor
>at the C7 position.
>

>----- Original Message -----

>From: "Brian" <brian@iquest.net>

>To: <elmer101@xcvr.com>

>Sent: Wednesday, July 10, 2002 7:10 PM

>Subject: [Elmer 101] Part 5 - Done - Check this out

>

>> 6 parts, looks like a breeze...but wait...I'm a scope rookie and
>> couldn't get my scope to do what I wanted it to do, only what I was
>> telling it to do...which are two different things most of the time.

>>

>> So I built my first RF probe out of my junk box according to the
>> diagram Dave put in the SWL+20 docs.

>>

>> On the base of Q4 I was able to peak up to 1.41 volts with the RF
>> probe. Is this good? Bad? Other? How should this look on my scope?
>> 1.4v peak to peak?

>>

>> My FC shows 14.107 Mhz at the base of Q4. Hmmmm...I hope somewhere in
>> there we'll be bringing that down. I want this set up for the
>> bottom/middle of 20m.

>

>

>

>

Date: Thu, 11 Jul 2002 14:55:21 -0400

From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>

To: <qrp-1@lehigh.edu>

Subject: [129590] MFJ cw filter

Message-ID: <6579C6377F475547985F0B3E426E162614067D@OCCLUST01EVS1.ugd.att.com>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: quoted-printable

Hi

I just missed out on another mjf filter sale. Now does anyone have a =
circuit drawing=20
for one these, or one like it. Seems like a TT unit was something like =
it back in the
early 80's or so. I bet I could build one up ugly stype, like dead bug =
or something.

Any ideas on the circuit I could use? If I find that I will find a way =
to put it together.

Marty Hartwell kd8bj
AT&T Columbus Ohio
PH:614-501-2503

Date: Thu, 11 Jul 2002 15:22:56 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [129591] Re: Rock Mite available?
Message-ID: <5.1.0.14.1.20020711152126.00a7ede0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>>No- the 'Rock-mite' will 1 be available- I'll be able to set the schedule
>>within a few days. I have plenty of boards, but am waiting on another lot
>>of crystals. Once I've established 'when' with those, the Rock-mite becomes
>>a product.

Folks,

Rock mites? I think I had to spray for those one summer. (Grin)

Seriously, though - this is a transceiver?

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 11 Jul 2002 11:24:19 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-1@lehigh.edu

Subject: [129592] FS: 40 Meter OHR 100A and OHR DD-1
Message-ID: <0F7B898269.36BE91D8-0N85256BF3.00539047@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Mint 40 meter OHR100A. Output 4.8 watts with 12V gell cell as measrued with "melt-solder" power meter. This radio has the variable width filter built-in and RIT. Tunes 7.00 - 7.085 Mhz. Nice base radio.
Orig \$130 asking \$90. <http://www.ohr.com/ohr100a.htm>

Mint OHR DD-1 companion digital display for the OHR-100 series.
Only operational problem is the automatic blank feature does not work. This is only a problem if you use it in the field on a battery.
Orig \$80 asking \$60. <http://www.ohr.com/dd1.htm>

Or both for \$150 includes shipping in CONUS.

Ron - N1ZSW

Date: Thu, 11 Jul 2002 16:20:51 -0400
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [129593] Yea Jo ah is alive... folks been argueing about the well part...
Message-ID: <20020711.162251.-303055.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

High y'all
my computer has ban on the fritz... I down loaded almost 1300 messages the utter day...

Jo... need my book before my xyl starts puttin funny stuffs in mah food....

who does ah send the "estra (*extra) study kit to now?????

Any body got's an extra copy of the qq they can send me....an't renued my description yet....

Glad to heah some liked my view of the fdim thingie... sry didn't take meaux pics....

and why didn't someone tape my talk?? could be worth money... hee hee...

Tell u man fdim was like both me honey moons in wone... was just as lost... and just as much fun... finding my way.....

don't kneaux any better way to display the fun, simplicity and complexity of amateure radio then fdim..

What ah has ban trying to understand is how come u folks kept laughin when ah was a talking.... ah was serious.. dat was the avery day me.... and ah an't never gonna forget it either.... u folk sure made a cajun lad proud... for a short time thair ah was a somebody among somebodies.... that's a better feeling and longer lasting than ... u kneaux what...yea u due...

An't ban dueing much back in the northern averglades heah....finally got warm enough to fish and now the wind is steady about hurricane force....

Oh , had three checkins to the wed qrp piggie net... Terry, Jay and piggie 197 I think. don't have th log right heah and all... gotta get my computer fixed and the old version of juno...

ah is-an't dead, just fighting depression... in this face paced society... and hope to be up to speed soon....

yea it was me
kella joel
in maine
wondering why the wind blows so hard

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Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/web/>.

Date: Thu, 11 Jul 2002 17:02:37 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [129594] Re: 20 mtr SSB rig
Message-ID: <3D2DF26D.94D31459@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Marty KD8BJ

>

> In the last day or so I have seen responses to the question on MFJ SSB rig. I haven't seen much mention of the SWL White Mountain Series of SSB kits. I just looked on the web site at

> <http://www.smallwonderlabs.com/> and see they are still listed. Might be a good place to look, I understand they are nice too.

I'll say! Bought an already built 20m one from this list, and have been having a ball with it. Worked F5BBD one night while running off a badly run-down battery (something over 2,000

mile per watt); have had extended qso's with most of the European countries and several African ones. It's receiving sharpness rivals my TS-180S. The White Mountain rigs put out 3 watts

or so, versus the 10 watts of the MFJ 9400 series. But you can do surprisingly well with 3 watts, and of course, there is less draw on the power (about 1 amp with the WM vs. 2.2 amps with the MFJ).

73

Ken KG4FGC

Date: Thu, 11 Jul 2002 17:30:38 -0400

From: <jmbrown@edge.net>

To: qrp-l@lehigh.edu

Subject: [129595] Rock-mite tin

Message-ID: <20020711213038.ZHU25426.fl-webmail02@fl-webmail02>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO8859_1

Content-Transfer-Encoding: 7bit

Thinking about a tin for the Rock-mite
while polishing my shoes this am....

Is it small enough to fit into a standard
shoe polish tin? These tins are pretty sturdy.

72,

Jerry N4E0

Date: Thu, 11 Jul 2002 23:45:14 +0200
From: "Nico Vertriest" <Nico.Vertriest@pandora.be>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [129596] Multi-band vertical fed with ladderline: radials
Message-ID: <006c01c22924\$3ec5b120\$f96377d5@pandora.be>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I would like to put a 5m vertical on my roof (10m high) and to feed it with 450 ohm ladderline. I would like to use it as a multiband antenna with a balanced line tuner. As radials I would put several lines of rotor cable having a length of 5 meters (6 lines, each having 8 conductors). I wondered what is the most efficient situation for the radials. Is it best to cut several separate radials to resonance for the 20,17,15 and 10 m bands ? Or
can I just use several radials 5 meter long, and count on the tuner for resonance ?

Thanks in advance.

73,
Nico
on4civ

Date: Thu, 11 Jul 2002 14:59:41 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [129597] G-10 or equive double sided board?
Message-ID: <GNEOLGDJDJOPEALHJMKLCEEGJCGAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Can someone contact me about cutting some double-sided board down for me?

I don't have access to either the stock or cutting tools any more ... I'd like to have a nice pile of boards all the same sizes, say three 'universal' sizes for all my projects. Maybe throw in some Manhattan pads?

How much for some 1 x 2, 2 x 3 and 4 x 6 boards, etc?

Thanks!!

Tracy N4LGH

Date: Thu, 11 Jul 2002 22:31:04 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [129598] PC Board Source
Message-ID: <5.1.0.14.0.20020711221552.009f3670@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

One place that I have gotten assorted size PC board material is Electronic Goldmine in the Phoenix area. They do not have a walk-in store and the only way you can get stuff is by UPS or mail order.

Their web site is

<http://www.goldmine-elec.com>

and you can download their entire catalog in PDF format.

On page 37 of catalog #240 is the copper clad material. There are two assorted sizes deals G3500 and G2679 or you can order the 0.026" thick copper clad double sided in

3X4 10 for \$3.50
3X6 10 for \$5.00
4X8 10 for \$9.00

and other specific sizes up to 8X10 for \$23.00 for 10 boards. It is the thinner board size, but that usually isn't a problem with

Manhattan Projects although I haven't used the material for making the pads as I use some paper material based board for my projects.

For making pads you'll have to get the metal punch from Harbor Freight and you can look on my web page for the part number.

And while you are ordering from Electronic Goldmine you should look at the other deals also.

Page 11 for the 300 13.500MHz crystals for \$6.00

Page 37 for the 3.579545MHz color burst crystals for 10 for \$8.00

Page 38 for crystals for 1.84MHz to 32.00MHz for \$1.00 to \$1.75 each and crystal oscillators.

Just to name a few pointers.

I don't work for them but I have managed to spend a few bucks there. :-)

FYI

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

End of QRP-L Digest 2613

